

Collier Shannon Scott

0300
Collier Shannon Scott, PLLC
Washington Harbour, Suite 400
3050 K Street, NW
Washington, DC 20007-5108
202.342.8400 TEL
202.342.8451 FAX



John N. Coulby
Associate
(202)342-8829
JCoulby@colliershannon.com

April 12, 2002

Assistant Commissioner For Patents
BOX MISSING PARTS
Washington, D.C. 20231

Re: U.S. Patent Application Serial No. 10/084,998
For: APPARATUS AND METHOD FOR FABRICATING
FIBER REINFORCED PLASTIC PARTS
Our Reference: 49810-00601

Dear Sir:

Transmitted herewith for filing in the U.S. Receiving Office are the following documents:

1. Transmittal Letter;
2. Copy of Notice to File Corrected Application Papers;
3. Response to Notice to File Corrected Application Papers; and
4. Substitute drawings depicting Figs.1-5 (6 sheets) in compliance with 37 CFR 1.84(g).

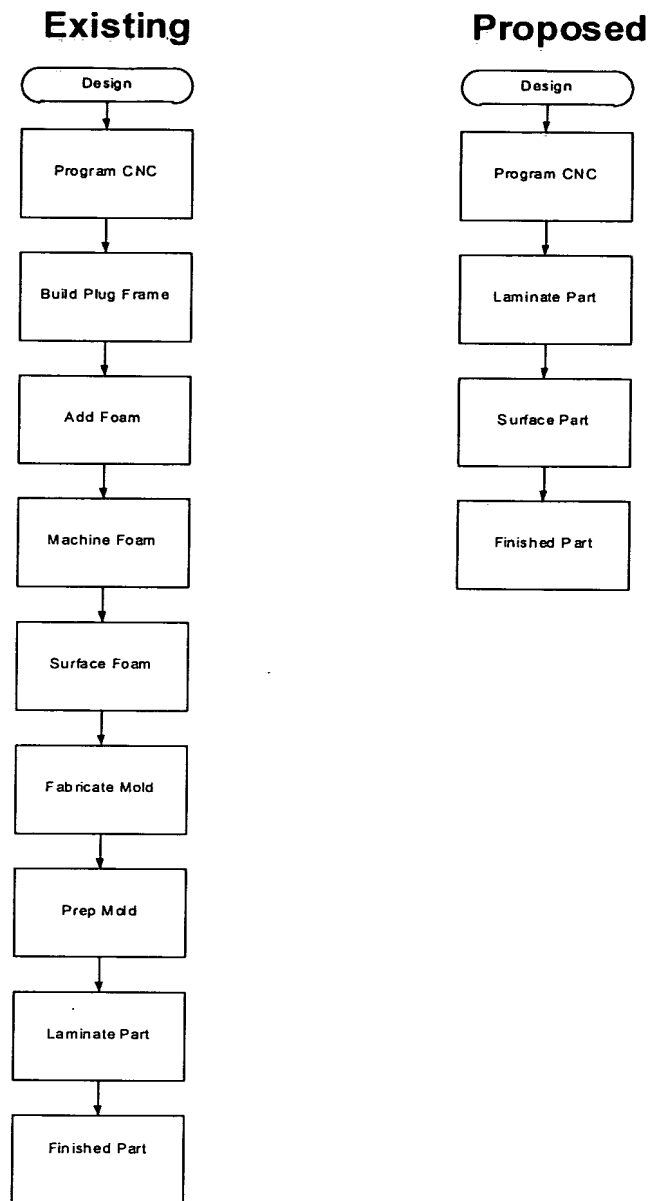
Sincerely yours,

A handwritten signature in black ink, appearing to read "J. Coulby", written over the typed name.

JOHN N. COULBY, Reg. No. 43,565

Enclosures

Comparison of Processes



J1046 U.S. PTO
10/084998
03/01/02

Fig.

Extrusion Head Schematic

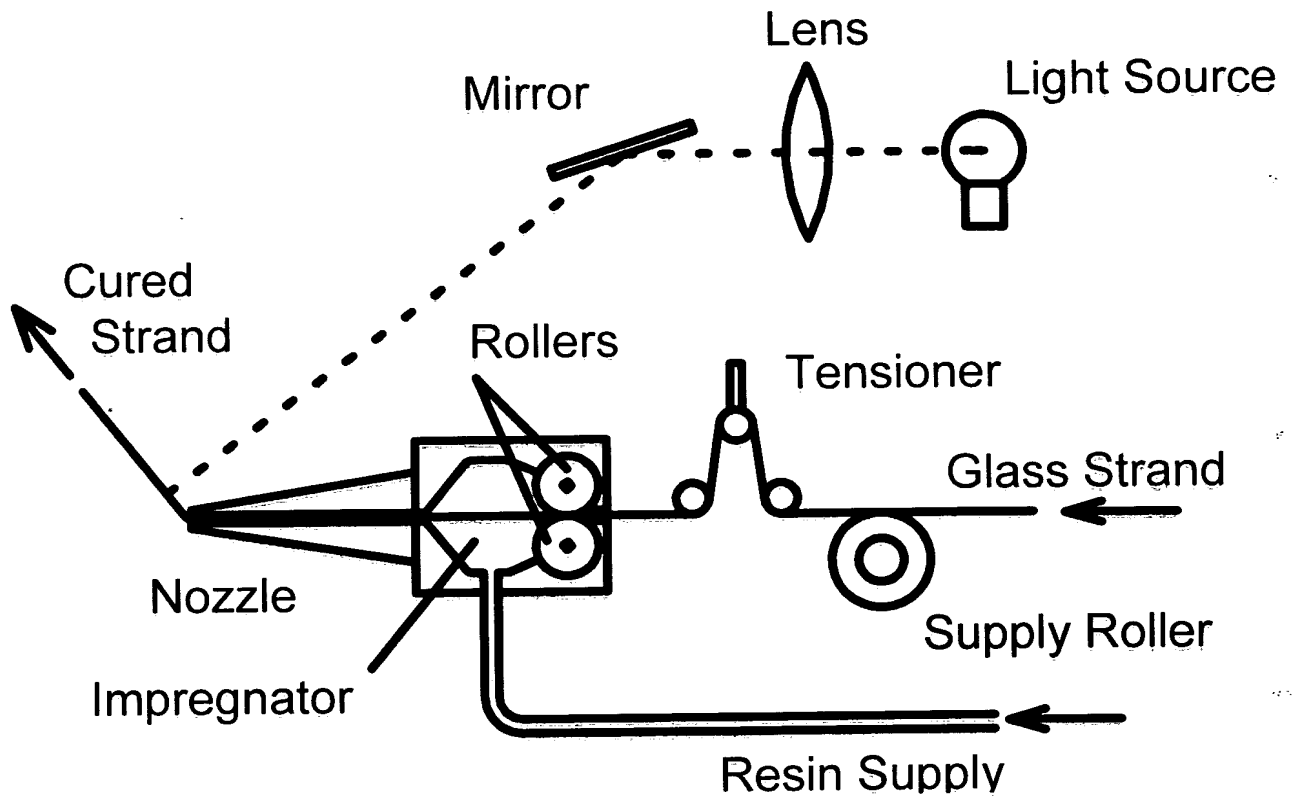
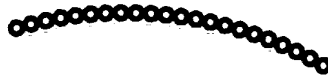


Fig. 1

Some Extrusion Shapes



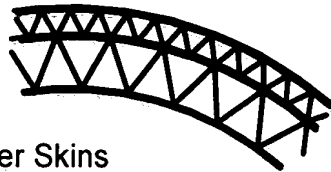
Small Dia. Bead for Intricate Detail



Flat Web to Reduce Machine Time



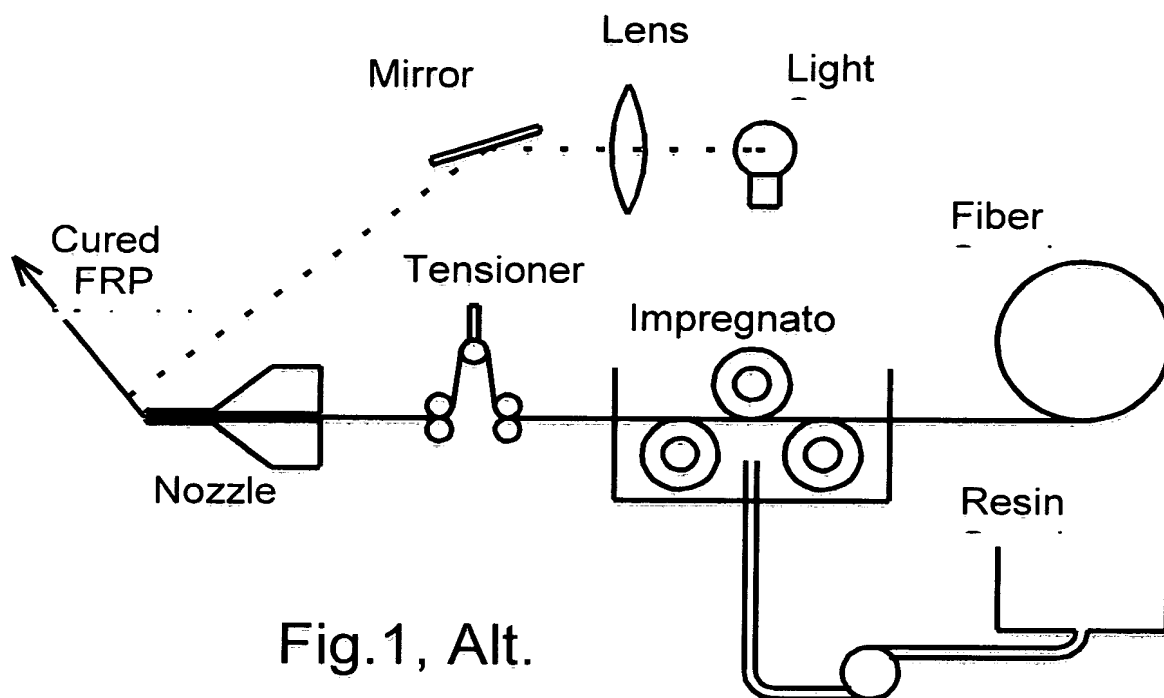
Tee or Channel Sections for Stiffness



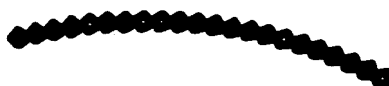
Multi Layer Skins
for high strength to weight ratios

Fig. 2

Extrusion Head



Sections Through Passes of



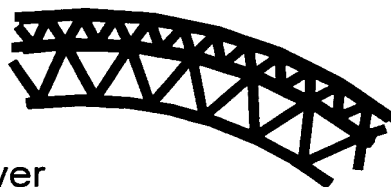
Small Dia. Rods for Intricate
(formed from yarns
through a round



Flat Web to Reduce Machine
(formed from ribbons
through a flat



Angles to Improve
(formed from ribbon
through an angle shaped



Multi Layer
for High Strength to Weight
(formed from yarns through a
orifice in successive

Fig. 2, Alt.

49810-00601